

1 **CLAIMS**

2

3 1. A component localization system, comprising:

4 one or more memory components configured to maintain control

5 components that each define a localization format for a section of a display;

6 a localization application configured to obtain a control component that

7 corresponds to a locale; and

8 a server application configured to generate display data for the display

9 which includes the control component in a localization format defined by the

10 control component.

11

12 2. A component localization system as recited in claim 1, wherein the

13 localization application is further configured to obtain the control component

14 which defines the localization format as a language and country combination that

15 corresponds to the locale.

16

17 3. A component localization system as recited in claim 1, wherein the

18 localization application is further configured to obtain the control component

19 which defines the localization format as a language and geographic area

20 combination that corresponds to the locale.

21

22 4. A component localization system as recited in claim 1, wherein the

23 localization application is further configured to obtain the control component

24 which defines the localization format as a language and user group combination

25 that corresponds to the locale.

1           5.    A component localization system as recited in claim 1, wherein the  
2 localization application is further configured to obtain the control component  
3 which defines the localization format for a user group that corresponds to the  
4 locale.

5  
6           6.    A component localization system as recited in claim 1, wherein the  
7 localization application is further configured to obtain the control component  
8 which defines the localization format for an environment that corresponds to the  
9 locale.

10  
11          7.    A component localization system as recited in claim 1, wherein the  
12 localization application is further configured to receive a locale designation that  
13 designates the locale, and wherein the control component is a localized control  
14 component which defines the localization format as a language and country  
15 combination that corresponds to the locale.

16  
17          8.    A component localization system as recited in claim 1, wherein the  
18 localization application is further configured to receive a locale designation that  
19 designates the locale, and wherein the control component is a localized control  
20 component which defines the localization format as a language and user group  
21 combination that corresponds to the locale.

1           **9.**    A component localization system as recited in claim 1, wherein the  
2 localization application is further configured to receive a locale designation that  
3 designates the locale, and wherein the control component is a secondary control  
4 component which defines the localization format for a language that corresponds  
5 to the locale.

6  
7           **10.**   A component localization system as recited in claim 1, wherein the  
8 localization application is further configured to receive a locale designation that  
9 designates the locale, and wherein the control component is a generalized control  
10 component which defines the localization format that corresponds to the locale.

11  
12           **11.**   A component localization system as recited in claim 1, wherein the  
13 server application is further configured to receive a request for service from a  
14 client application, and wherein the request for service includes a locale designation  
15 that designates the locale.

16  
17           **12.**   A component localization system as recited in claim 1, wherein the  
18 server application is further configured to:

19           receive a request for the display data from a client application, the request  
20 including a locale designation that designates the locale; and

21           communicate the display data to the client application with the control  
22 component in a display format that corresponds to the locale and the localization  
23 format.

1           **13.**     A component localization system as recited in claim 1, wherein the  
2 server application is further configured to:

3           receive a request for the display data from a client application, the request  
4 including user preference data that identifies the locale; and

5           communicate the display data to the client application with the control  
6 component in a display format that corresponds to the locale and the localization  
7 format.

8  
9           **14.**     A component localization system as recited in claim 1, wherein the  
10 server application is further configured to:

11          receive a request for the display data from a client application, the request  
12 including user logon information that identifies the locale; and

13          communicate the display data to the client application with the control  
14 component in a display format that corresponds to the locale and the localization  
15 format.

1           15.    A component localization system as recited in claim 1, wherein the  
2 server application is further configured to:

3                receive a request for additional display data from a client application, the  
4 request including a locale designation that designates a second locale;

5                generate the additional display data which includes a second control  
6 component having a second localization format, the second control component  
7 replacing the control component in the display; and

8                communicate the additional display data to the client application with the  
9 second control component in a display format that corresponds to the second  
10 locale and the second localization format.

11  
12           16.    A server device comprising the component localization system as  
13 recited in claim 1, and wherein the server device comprises a Web server that  
14 includes the localization application and the server application.

15  
16           17.    A component localization system, comprising:

17                one or more memory components configured to maintain control  
18 components that each correspond to a different locale; and

19                a localization application configured to receive a locale designation that  
20 designates a locale, the localization application being further configured to obtain  
21 a control component from the one or more memory components where the control  
22 component defines a localization format for the designated locale.

1           **18.**    A component localization system as recited in claim 17, wherein the  
2 localization application is further configured to obtain the control component  
3 which defines a language and country combination that corresponds to the  
4 designated locale.

5  
6           **19.**    A component localization system as recited in claim 17, wherein the  
7 localization application is further configured to obtain the control component  
8 which defines a language and geographic area combination that corresponds to the  
9 designated locale.

10  
11          **20.**    A component localization system as recited in claim 17, wherein the  
12 localization application is further configured to obtain the control component  
13 which defines a language and user group combination that corresponds to the  
14 designated locale.

15  
16          **21.**    A component localization system as recited in claim 17, wherein the  
17 localization application is further configured to obtain the control component  
18 which defines a user group that corresponds to the designated locale.

19  
20          **22.**    A component localization system as recited in claim 17, wherein the  
21 localization application is further configured to obtain the control component  
22 which defines an environment that corresponds to the designated locale.

1           **23.**    A component localization system as recited in claim 17, wherein the  
2 localization application is further configured to obtain the control component  
3 which defines a computer environment that corresponds to the designated locale.

4  
5           **24.**    A component localization system as recited in claim 17, wherein the  
6 control component is at least one of a localized control component, a secondary  
7 control component, and a generalized control component, and wherein the  
8 localization application is further configured to:

9           obtain the localized control component if the localized control component  
10 is available;

11           obtain the secondary control component if the localized control component  
12 is not available; and

13           obtain the generalized control component if the localized control  
14 component and the secondary control component are not available.

15  
16           **25.**    A component localization system as recited in claim 17, wherein the  
17 control component is at least one of a localized control component, a secondary  
18 control component, and a generalized control component, and wherein the  
19 localization application is further configured to:

20           obtain the localized control component which defines a language and  
21 country combination that corresponds to the locale;

22           obtain the secondary control component which defines a language that  
23 corresponds to the locale if the localized control component is not available; and

24           obtain the generalized control component if the localized control  
25 component and the secondary control component are not available.

1           **26.**     A component localization system as recited in claim 17, wherein the  
2 localization application is further configured to receive a request for the control  
3 component from a client application, and wherein the request for the control  
4 component includes the locale designation that designates the locale.

5  
6           **27.**     A component localization system as recited in claim 17, wherein the  
7 localization application is further configured to:

8                 receive a request for the control component from a client application, the  
9 request including the locale designation that designates the locale; and

10                communicate the control component to the client application for  
11 instantiation with the client application.

12  
13           **28.**     A component localization system, comprising:

14                 one or more memory components configured to maintain control  
15 components that each correspond to a different computer environment; and

16                 a localization application configured to receive a locale designation that  
17 designates a computer environment, the localization application being further  
18 configured to obtain a control component from the one or more memory  
19 components where the control component defines a localization format for the  
20 designated computer environment.

21  
22           **29.**     A component localization system as recited in claim 28, wherein the  
23 localization application is further configured to obtain the control component  
24 which defines a client application configuration that corresponds to the designated  
25 computer environment.



1           **30.**     A component localization system as recited in claim 28, wherein the  
2 localization application is further configured to obtain the control component  
3 which defines a language and client application configuration combination that  
4 corresponds to the designated computer environment.

5  
6           **31.**     A component localization system as recited in claim 28, wherein the  
7 control component is at least one of a localized control component, a secondary  
8 control component, and a generalized control component each of which  
9 corresponds to the designated computer environment.

10  
11           **32.**     A component localization system as recited in claim 28, wherein the  
12 localization application is further configured to receive a request for the control  
13 component from a client application, and wherein the request for the control  
14 component includes the locale designation that designates the computer  
15 environment.

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17           **33.**     A component localization system as recited in claim 28, wherein the  
18 localization application is further configured to:

19           receive a request for the control component from a client application, the  
20 request including the locale designation that designates the computer environment;  
21 and

22           communicate the control component to the client application for  
23 instantiation with the client application.

1       **34.**    A method, comprising:  
2       receiving a locale designation that designates a locale;  
3       obtaining a control component that corresponds to the locale; and  
4       generating display data for a display that includes the control component in  
5       a localization format defined by the control component.

6  
7       **35.**    A method as recited in claim 34, wherein the control component  
8       defines a localization format for a language and country combination that  
9       corresponds to the locale.

10  
11       **36.**   A method as recited in claim 34, wherein the control component  
12       defines a localization format for a language and geographic area combination that  
13       corresponds to the locale.

14  
15       **37.**   A method as recited in claim 34, wherein the control component  
16       defines a localization format for a language and user group combination that  
17       corresponds to the locale.

18  
19       **38.**   A method as recited in claim 34, wherein the control component  
20       defines a localization format for a user group that corresponds to the locale.

21  
22       **39.**   A method as recited in claim 34, wherein the control component  
23       defines a localization format for an environment that corresponds to the locale.

1           **40.**    A method as recited in claim 34, wherein the control component  
2 defines a localization format for a computer environment that corresponds to the  
3 locale.

4  
5           **41.**    A method as recited in claim 34, wherein obtaining the control  
6 component includes obtaining at least one of a localized control component, a  
7 secondary control component, and a generalized control component.

8  
9           **42.**    A method as recited in claim 41, wherein the localized control  
10 component defines a localization format for a language and country combination  
11 that corresponds to the locale.

12  
13           **43.**    A method as recited in claim 41, wherein the localized control  
14 component defines a localization format for a language and user group  
15 combination that corresponds to the locale.

16  
17           **44.**    A method as recited in claim 41, wherein the secondary control  
18 component defines a localization format for a language that corresponds to the  
19 locale.

20  
21           **45.**    A method as recited in claim 41, wherein the generalized control  
22 component defines a localization format that corresponds to the locale.  
23  
24  
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1           **46.**    A method as recited in claim 34, further comprising receiving a  
2 request for service from a client application, wherein the request for service  
3 includes receiving the locale designation that designates the locale.

4  
5           **47.**    A method as recited in claim 34, further comprising:  
6           receiving a request for the display data from a client application, the request  
7 including receiving the locale designation that designates the locale; and  
8           communicating the display data to the client application with the control  
9 component in the localization format that corresponds to the locale.

10  
11           **48.**    A method as recited in claim 34, further comprising:  
12           receiving a request for the display data from a client application, the request  
13 including receiving the locale designation which includes user preference data that  
14 identifies the locale; and  
15           communicating the display data to the client application with the control  
16 component in the localization format that corresponds to the locale.

17  
18           **49.**    A method as recited in claim 34, further comprising:  
19           receiving a request for the display data from a client application, the request  
20 including receiving the locale designation which includes user login information  
21 that identifies the locale; and  
22           communicating the display data to the client application with the control  
23 component in the localization format that corresponds to the locale.

1           **50.** One or more computer-readable media comprising computer  
2 executable instructions that, when executed, direct a component localization  
3 system to perform the method of claim 34.

4  
5           **51.** A method, comprising:  
6 maintaining control components that each correspond to a different locale;  
7 receiving a locale designation that designates a locale;  
8 obtaining a control component that corresponds to the designated locale;  
9 and  
10 communicating the control component to a client application for  
11 instantiation with the client application.

12  
13           **52.** A method as recited in claim 51, wherein the locale designation  
14 designates the locale which identifies a computer environment.

15  
16           **53.** A method as recited in claim 51, wherein the control component  
17 defines a language and country combination that corresponds to the designated  
18 locale.

19  
20           **54.** A method as recited in claim 51, wherein the control component  
21 defines a language and geographic area combination that corresponds to the  
22 designated locale.

1       **55.**    A method as recited in claim 51, wherein the control component  
2 defines a language and user group combination that corresponds to the designated  
3 locale.

4  
5       **56.**    A method as recited in claim 51, wherein the control component is  
6 at least one of a localized control component, a secondary control component, and  
7 a generalized control component, and wherein:

8           the localized control component is obtained if the localized control  
9 component is available;

10          the secondary control component is obtained if the localized control  
11 component is not available; and

12          the generalized control component is obtained if the localized control  
13 component and the secondary control component are not available.

14  
15       **57.**    A method as recited in claim 51, wherein the control component is  
16 at least one of a localized control component, a secondary control component, and  
17 a generalized control component, and wherein:

18          the localized control component is obtained which defines a language and  
19 country combination that corresponds to the designated locale;

20          the secondary control component is obtained which defines a language that  
21 corresponds to the designated locale if the localized control component is not  
22 available; and

23          the generalized control component is obtained if the localized control  
24 component and the secondary control component are not available.

1           **58.**    A method as recited in claim 51, further comprising receiving a  
2 request for the control component from a client application, wherein the request  
3 for the control component includes the locale designation that designates the  
4 locale.

5  
6           **59.**    A method as recited in claim 51, further comprising receiving a  
7 request for the control component from a client application, wherein the request  
8 for the control component includes the locale designation that designates the  
9 locale which identifies a computer environment.

10  
11           **60.**    One or more computer-readable media comprising computer  
12 executable instructions that, when executed, direct a component localization  
13 system to perform the method of claim 51.

14  
15           **61.**    One or more computer-readable media comprising computer  
16 executable instructions that, when executed, direct a component localization  
17 system to:

18           receive a request for service from a client application, the request for  
19 service including a locale designation that designates a locale;

20           obtain a control component that corresponds to the locale;

21           generate display data for a display that includes the control component in a  
22 localization format defined by the control component; and

23           communicate the display data to the client application with the control  
24 component in a display format that corresponds to the locale and the localization  
25 format.

1           **62.**     One or more computer-readable media as recited in claim 61, further  
2 comprising computer executable instructions that, when executed, direct the  
3 component localization system to obtain the control component which defines a  
4 localization format for a language and country combination that corresponds to the  
5 locale.

6  
7           **63.**     One or more computer-readable media as recited in claim 61, further  
8 comprising computer executable instructions that, when executed, direct the  
9 component localization system to obtain the control component which defines a  
10 localization format for a language and geographic area combination that  
11 corresponds to the locale.

12  
13           **64.**     One or more computer-readable media as recited in claim 61, further  
14 comprising computer executable instructions that, when executed, direct the  
15 component localization system to obtain the control component which defines a  
16 localization format for a language and user group combination that corresponds to  
17 the locale.

18  
19           **65.**     One or more computer-readable media as recited in claim 61, further  
20 comprising computer executable instructions that, when executed, direct the  
21 component localization system to obtain the control component which defines a  
22 localization format for a user group that corresponds to the locale.  
23  
24  
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1           66. One or more computer-readable media as recited in claim 61, further  
2 comprising computer executable instructions that, when executed, direct the  
3 component localization system to obtain the control component which defines a  
4 localization format for an environment that corresponds to the locale.

5  
6           67. One or more computer-readable media as recited in claim 61, further  
7 comprising computer executable instructions that, when executed, direct the  
8 component localization system to obtain the control component as at least one of a  
9 localized control component, a secondary control component, and a generalized  
10 control component, wherein:

11           the localized control component is obtained if the localized control  
12 component is available;

13           the secondary control component is obtained if the localized control  
14 component is not available; and

15           the generalized control component is obtained if the localized control  
16 component and the secondary control component are not available.

1           68.     One or more computer-readable media as recited in claim 61, further  
2 comprising computer executable instructions that, when executed, direct the  
3 component localization system to obtain the control component as at least one of a  
4 localized control component, a secondary control component, and a generalized  
5 control component, wherein:

6           the localized control component is obtained which defines a language and  
7 country combination that corresponds to the designated locale;

8           the secondary control component is obtained which defines a language that  
9 corresponds to the designated locale if the localized control component is not  
10 available; and

11          the generalized control component is obtained if the localized control  
12 component and the secondary control component are not available.